AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A network apparatus for wireless transmission/reception of data streams having management information on wireless channels used for the data streams transmitted in an audio/video (A/V) wireless network which comprises a plurality of data streaming servers and data streaming clients, ~~a wireless manner among apparatuses in a network~~, said network apparatus comprising:

a processor operable to process an event, upon occurrence of the event in the network, by extracting apparatus information for the apparatuses within the network from the management information and specifying a second streaming server different from a first data streaming server according to the extracted information, and by transmitting an event response signal comprising the management information corresponding to the event or by updating the management information corresponding to the event, thereby generating, in the second data-streaming server, a module that manages the wireless channels for the data streams transmitted in the wireless manner among the apparatuses in the network,

wherein ~~the first data streaming server and the second data streaming server use different allocated channels, respectively~~only one channel is allocated to transfer a data stream for the second data streaming server by the managing module,

and dummy data transmitted during the data stream is not transmitted in the allocated channel.

2. (original): The apparatus as claimed in claim 1, wherein the management information comprises information on empty channels that are not used.

3. (original): The apparatus as claimed in claim 1, wherein the management information comprises information on allocated wireless channels.

4. (original): The apparatus as claimed in claim 1, wherein the management information comprises information on connection states of the apparatuses in the network according to an allocated wireless channel.

5. (original): The apparatus as claimed in claim 1, wherein the management information comprises apparatus information on the apparatuses in the network.

6. (original): The apparatus as claimed in claim 1, wherein the management information comprises channel state information.

7. (original): The apparatus as claimed in claim 1, wherein the event comprises an allocated channel request event operable to request a new allocated channel.

8. (original): The apparatus as claimed in claim 1, wherein the event comprises an allocated channel sharing request event operable to request sharing of a currently allocated channel.

9. (original): The apparatus as claimed in claim 1, wherein the event comprises a network participation request event operable to indicate participation in an already established network.

10. (original): The apparatus as claimed in claim 1, wherein the event comprises an allocated channel releasing request event operable to indicate releasing of an already established, allocated channel.

11. (original): The apparatus as claimed in claim 1, wherein the event comprises a network disconnection request event operable to indicate disconnection from an already established network.

12. (currently amended): A data-streaming server in a network apparatus for wireless transmission/reception of data streams, which extracts apparatus information on apparatuses in ~~a~~an ~~network~~ audio/video (A/V) wireless network which comprises a plurality of data streaming servers and data streaming clients, by a first data-streaming server, from management information on wireless channels available for data streams transmitted among the apparatuses in the network, designates a second data-streaming server different from the first data-streaming server, depending on the extracted information, and generates, in the second data-streaming server, a module comprising management information on the wireless channels used for the data streams transmitted in a wireless manner among the apparatuses in the network upon occurrence of an event in the network, wherein the module processes the event by one of transmitting an event response signal comprising the management information corresponding to the event and by updating the management information corresponding to the event, thereby managing the wireless

channels for the data streams transmitted in the wireless manner among the apparatuses in the network,

wherein ~~the first data streaming server and the second data streaming server use different allocated channels, respectively~~only one channel is allocated to transfer a data stream for a second data streaming server by a managing module,

wherein dummy data transmitted during the data stream is not transmitted in the allocated channel,

and wherein the server comprises:

a control interface adapted to transmit and receive control signals to and from a plurality of apparatuses in a network via a wired/wireless communication network;

a channel selection unit operable to select a channel available in the network; and

a wireless interface adapted to transmit data streams in the network.

13. (canceled).

14. (previously presented): The data-streaming server as claimed in claim 12, wherein the management information comprises information on empty channels that are not used.

15. (previously presented): The data-streaming server as claimed in claim 12, wherein the management information comprises information on allocated wireless channels.

16. (previously presented): The data-streaming server as claimed in claim 12, wherein the management information comprises information on connection states of the apparatuses in the network according to an allocated wireless channel.

17. (previously presented): The data-streaming server as claimed in claim 12, ,wherein the management information comprises apparatus information on the apparatuses in the network.

18. (previously presented): The data-streaming server as claimed in claim 12, wherein the management information comprises channel state information.

19. (previously presented): The data-streaming server as claimed in claim 12, ,wherein the event comprises an allocated channel request event operable to request a new allocated channel.

20. (previously presented): The data-streaming server as claimed in claim 12, wherein the event comprises an allocated channel sharing request event operable to request sharing of a currently allocated channel.

21. (previously presented): The data-streaming server as claimed in claim 12, wherein the event comprises a network participation request event operable to indicate participation in an already established network.

22. (previously presented): The data-streaming server as claimed in claim 12, wherein the event comprises an allocated channel releasing request event operable to indicate releasing of an already established, allocated channel.

23. (previously presented): The data-streaming server as claimed in claim 12, wherein the event comprises a network disconnection request event operable to indicate disconnection from an already established network.

24. (currently amended): A data-streaming client in a network apparatus for wireless transmission/reception of data streams, which extracts apparatus information on apparatuses in ~~a~~ an audio/video (A/V) wireless network which comprises a plurality of data streaming servers and data streaming clients, by a first data-streaming server, from management information on wireless channels available for data streams transmitted among the apparatuses in the network, designates a second data-streaming server different from the first data-streaming server, depending on the extracted information, and generates, in the second data-streaming server, a module comprising management information on the wireless channels used for the data streams transmitted in a wireless manner among the apparatuses in the network upon occurrence of an event in the network, wherein the module processes the event by one of transmitting an event response signal comprising the management information corresponding to the event and by updating the management information corresponding to the event, thereby managing the wireless channels for the data streams transmitted in the wireless manner among the apparatuses in the network,

wherein ~~the first data streaming server and the second data streaming server use different allocated channels, respectively~~only one channel is allocated to transfer a data stream for a second data streaming server by a managing module,

wherein dummy data transmitted during the data stream is not transmitted in the allocated channel,

and wherein the client comprises:

a control interface adapted to transmit and receive control signals to and from a plurality of apparatuses in a network via a wired/wireless communication network;

a channel selection unit operable to select a channel available in the network; and

a wireless interface adapted to receive data streams in the network.

25. (currently amended): A network management method for wireless transmission/reception of a data stream, comprising:

extracting apparatus information on apparatuses in ~~a~~ an audio/video (A/V) wireless network which comprises a plurality of data streaming servers and data streaming clients~~network~~, by a first data-streaming server, from management information on wireless channels available for data streams transmitted among the apparatuses in the network;

designating a second data-streaming server different from the first data-streaming server, depending on the extracted information; and

generating, in the second data-streaming server, a module comprising management information on the wireless channels used for the data streams transmitted in a wireless manner among the apparatuses in the network upon occurrence of an event in the network, wherein the module processes the event by one of transmitting an event response signal comprising the management information corresponding to the event and by updating the management information corresponding to the event, thereby managing the wireless channels for the data streams transmitted in the wireless manner among the apparatuses in the network,

wherein only one channel is allocated to transfer a data stream for a second data streaming server by a managing module,

wherein dummy data transmitted during the data stream is not transmitted in the allocated channel~~the first data streaming server and the second data streaming server use different allocated channels, respectively~~.

26. (original): The method as claimed in claim 25, wherein the management information comprises information on empty channels that are not used.

27. (original): The method as claimed in claim 25, wherein the management information comprises information on allocated wireless channels.

28. (original): The method as claimed in claim 25, wherein the management information comprises information on connection states of the apparatuses in the network according to an allocated wireless channel.

29. (original): The method as claimed in claim 25, wherein the management information comprises apparatus information on the apparatuses in the network.

30. (original): The method as claimed in claim 25, wherein the management information comprises channel state information.

31. (original): The method as claimed in claim 25, wherein the event comprises an allocated channel request event operable to request newly allocated channel.

32. (original): The method as claimed in claim 25, wherein the event comprises an allocated channel sharing request event operable to request sharing of a currently allocated channel.

33. (original): The method as claimed in claim 25, wherein the event comprises a network participation request event operable to indicate participation in an already established network.

34. (original): The method as claimed in claim 25, wherein the event comprises an allocated channel releasing request event operable to indicate releasing of an already established, allocated channel.

35. (original): The method as claimed in claim 25, wherein the event comprises a network disconnection request event operable to indicate disconnection from an already established network.

36. (canceled).